

ABSTRACT OF THE DISCLOSURE

A semiconductor chip package includes a semiconductor chip having a through hole extending there through from an active first surface to an inactive second surface. A first conductive pad at least partially surrounds the through hole on the active first surface of the semiconductor chip. The package also includes a printed circuit board having a first surface attached to the inactive second surface of the semiconductor chip, and a second conductive pad aligned with the through hole of the semiconductor chip. A conductive material fills the through hole and contacts the first and second conductive pads.